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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/855,968	05/15/2001	Ronald J. Mann	SUN01-01	1622

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EXAMINER

PILLAI, NAMITHA

ART UNIT	PAPER NUMBER
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2173

DATE MAILED: 03/12/2004

2

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/855,968

Applicant(s)

MANN ET AL.

Examiner

Namitha Pillai

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-24 rejected under 35 U.S.C. 102(e) as being clearly anticipated by U. S.

Publication No. 2001/0020956 A1 (Moir).

Referring to claims 1 and 10, Moir discloses a method for composing a complex construct for use on a graphical display of a computerized device (page 1, paragraph 8). Moir discloses receiving a selection of basic constructor objects for use in the complex object (page 1, paragraph 6), the selection of basic constructor objects chosen from a set of basic constructor object types including a button object type, a dial object type, an edit object type, and a container object type, each of the basic constructor object types defining respective basic constructor characteristics (page 2, paragraph 29 and page 1, paragraph 6). Moir also discloses receiving a selection of at least one personality to assign to at least one of the basic constructor objects chosen from the selection of basic constructor object types, the selection of at least one personality chosen from a set of personality types that define extensions to basic constructor characteristics associated with basic constructor object types (page 2, paragraphs 36-38). Moir also discloses combining the selection of basic constructor objects with the selection of at least one personality to form a first complex, construct and operating the first complex construct on

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the graphical display according to a first operation state defined by the basic constructor characteristics associated with the basic constructor objects in the first complex construct and by the personalities assigned to the basic constructor objects in the complex construct which define extensions to the basic constructor characteristics (page 2, paragraphs 30 and 39).

Referring to claims 2 and 12, Moir discloses receiving a modification to the selection of a personality assigned to at least one of the basic constructor objects in the first complex construct and in response to receiving the modification, transforming the first complex construct having the first operational state to a second complex construct having a second operational state (page 1, paragraphs 8 and 10).

Referring to claims 3 and 13, Moir discloses operating the first complex construct to receive input indicating that the first complex object is to transform itself into a second complex construct by substituting a view, defined by the at least one personality assigned to at least one of the basic constructor objects in the first complex construct, with a new view defined by the modification received to the selection of one of the at least one personality (page 3, paragraph 49, lines 7-12).

Referring to claims 4 and 14, Moir discloses receiving a selection of at least one personality includes the steps of receiving a selection of specific event handling functionality that is to be enabled for that personality in relation to a base constructor object to which that personality is assigned; and receiving a selection of specific view which that personality provides to that basic constructor object when rendered on the graphical display of the computerized device (page 3, paragraph 49, lines 7-12).

Referring to claims 5 and 15, Moir discloses that each basic constructor object is an

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instantiation of a basic constructor class that defines the basic constructor characteristics which provide specific functionality including an event handling framework dedicated to supplying methods and event handling processing associated with that basic constructor class (page 2, paragraphs 36-38).

Referring to claims 6 and 16, Moir discloses that the button object, when included in the complex construct, provides specific functionality to the complex construct to provide notification of a change to a selection state maintained by the button object upon receiving input (page 3, paragraph 51), the dial object, when included in the complex construct, provides specific functionality to the complex construct to provide a selection of a value from a range of possible values (page 3, paragraph 51) the edit object, when included in the complex construct, provides specific functionality to the complex construct to receive data for editing, to store the data and to provide access to the data (page 4, paragraph 72) and the container object, when included in the complex construct, provides at least one of a parenting functionality, a layout management functionality and an event interception functionality to the complex construct comprised of a combination of the basic constructor objects (page 4, paragraphs 74 and 88).

Referring to claims 7 and 17, Moir discloses that each basic constructor object has an associated set of applicable personalities, each applicable personality defining an extended set of event listeners that are specific to the basic constructor objects to which those personalities are applicable, and which extend the event management functionality provided by the basic constructor characteristics of the basic constructor type from which that basic constructor object is instantiated (page 4, paragraphs 74 and 88).

Referring to claims 8 and 18, Moir discloses that each applicable personality for a basic constructor object further defines a stock view for the basic constructor object when rendered on the graphical display of the computerized device (page 4, paragraph 74).

Referring to claims 9 and 19, Moir discloses that the complex construct is a scroll bar including two basic button constructor objects combine with respective scroll bar button personalities, a basic dial constructor object combine with a respective scroll bar dial personality, and a basic container constructor object combine with a respective scroll bar container personality (page 4, paragraph 72).

Referring to claims 11 and 20-22, Moir discloses a computerized device comprising with an input output interface, a display, a memory system and a processor with an interconnection mechanism coupling the input output interface, the display, the memory system and the processor (Figure 3). Moir also discloses wherein the memory system is encoded with a constructor application that when performed on the processor, produces a constructor process that causes the computer system to compose a complex construct for use on the display of the computerized device (page 6, paragraph 114, lines 1-10). Moir also discloses performing the operations of receiving, via the input output interface, a selection of basic constructor objects for use in the complex object (page 1, paragraph 6), the selection of basic constructor objects chosen from a set of basic constructor object types including a button object type, a dial object type, an edit object type, and a container object type, each of the basic constructor object types defining respective basic constructor characteristics (page 2, paragraph 29 and page 1, paragraph 6). Moir also discloses receiving, via the input output interface, a selection of at least one personality to assign to at least one of the basic constructor objects chosen from the selection of basic

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constructor object types, the selection of at least one personality chosen from a set of personality types that define extensions to basic constructor characteristics associated with basic constructor object types (page 2, paragraphs 36-38). Moir discloses combining, in the memory system, the selection of basic constructor objects with the selection of at least one personality to form a first complex construct (page 3, paragraph 49, lines 7-10). Moir discloses operating the first complex construct on the display according to a first operation state defined by the basic constructor characteristics associated with the basic constructor objects in the first complex construct and by the personalities assigned to the basic constructor objects in the complex construct which define extensions to the basic constructor characteristics (page 3, paragraph 49, lines 7-12).

Referring to claim 23, Moir discloses a method for transforming complex constructs for use in a graphical interface environment (page 1, paragraph 8). Moir also discloses defining a first complex construct to include at least one of a basic dial constructor object; a basic edit constructor object; a basic button constructor object; and a basic container constructor object (page 2, paragraph 29 and page 1, paragraph 6). Moir also discloses combining with at least one personality, receiving a modification to the at least one personality and transforming the first complex construct to a second complex construct according to the modification to the at least one personality (page 3, paragraph 49, lines 7-12).

Referring to claim 24, Moir discloses receiving a modification to the at least one personality receive the modification in real time from an application that includes the first complex construct such that the first complex construct is transformed by the step of

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transforming in real-time to produce the second complex construct (page 7, paragraphs 129 and 130).

Conclusion

2. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach the method for composing a complex construct for a graphical user interface.

Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington D.C. 20231. If applicant desires to fax a response, central FAX number (703) 872-9306 may be used. NOTE: A Request for Continuation (Rule 60 or 62) cannot be faxed.

Please label "PROPOSED" or "DRAFT" for informal facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document. Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Namitha Pillai whose telephone number is (703) 305-7691. The examiner can normally be reached on 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (703) 308-3116.

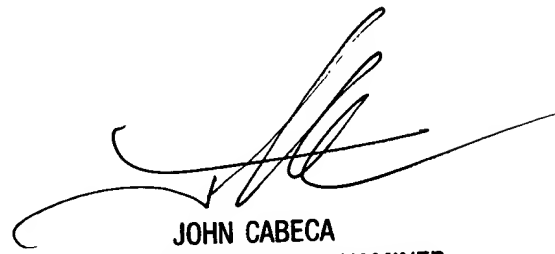
All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly

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signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Namitha Pillai
Assistant Examiner
Art Unit 2173
March 4, 2004



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